

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/10141

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01Q1/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

PAJ, EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 012 255 A (BECKER HUBERT) 30 April 1991 (1991-04-30) column 2, line 5-61 column 3, line 9-23; figures 1,3	1
A	EP 0 899 811 A (HARADA IND CO LTD) 3 March 1999 (1999-03-03) the whole document	1
A	DE 195 13 263 A (LINDENMEIER HEINZ) 10 October 1996 (1996-10-10) cited in the application column 2, line 60 -column 3, line 35; figure 1	1

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *&* document member of the same patent family

Date of the actual completion of the international search

19 December 2003

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5012255	A	30-04-1991	DE 3808401 A1 DE 58904538 D1 EP 0332898 A1 ES 2043914 T3	21-09-1989 08-07-1993 20-09-1989 01-01-1994
EP 0899811	A	03-03-1999	JP 11068440 A EP 0899811 A2 US 6292149 B1	09-03-1999 03-03-1999 18-09-2001
DE 19513263	A	10-10-1996	DE 19513263 A1 WO 9631918 A1 EP 0764350 A1	10-10-1996 10-10-1996 26-03-1997